

# Samuel Santos

Software Developer

North Manly, NSW, Australia

## ABOUT ME

With a background in Mechanical Engineering and teaching Mathematics and English, I bring strong problem-solving skills and attention to detail. My diverse experiences have given me a comprehensive perspective and the ability to tackle challenges effectively. Eager to learn and committed to a career change, I've explored full stack web development, finding coding a fascinating tool for creativity and understanding the workings behind the scenes. I'm motivated to take on new challenges and build a rewarding career in this dynamic field.

## WORK EXPERIENCE

### The Lead Group | Full Stack Developer | April 2024 – Present

- Volunteering at a non-profit organisation dedicated to providing guidance on lead exposure prevention and offering test kits for lead detection in homes.
- Collaborating with other developers in building an e-commerce website to support the organisation's mission.
- Developed features of the front-end interface using **Next.js**, **TypeScript** and **Payload CMS**.
- Developed API endpoints using **Node.js** and **Express.js** to connect forms and other features with the **MongoDB** database.
- Utilise **Git** for version control to effectively collaborate with the development team
- Our development process follows **Agile** methodology, promoting efficient collaboration and continuous improvement.

### \_nology | Software Developer Trainee | Aug 2023 – Feb 2024

- Developed the backend API layer using **Java** and **Spring Boot** for the student tracking system used by Nology employees to manage students, implementing RESTful endpoints for managing student profiles, enrolment records, attendance tracking, and academic performance metrics.
- Design and development of the front-end interface using **React** and **TypeScript**, enhancing user experience and usability for educators and administrators.
- Implemented comprehensive unit tests, integration tests, and end-to-end tests using **JUnit**, **Mockito** and **Playwright** to ensure code quality, reliability, and maintainability.
- Utilised **Git** for version control and collaborated with team members to ensure smooth code integration.
- Implemented containerisation technologies such as **Docker** for faster delivery cycles

### The Styling Project | Removalist | May 2019 – Feb 2022

- Managed the organisation of the warehouse, making sure the furniture was clean and damage free as well as the transportation of the furniture to clients.

### Centro de Cultura Britânica Red Lion | English Teacher Mar 2017 - Jul 2018

- Prepared and delivered English lessons for diverse age groups, including children, teenagers and adults.

## CONTACT



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## PORTFOLIOS



Portfolio



GitHub

## PROJECTS

### E-commerce

Full stack fake e-commerce platform that sells candles.

**Tech stack:** React, Sass and Firebase/Firestore.

### Employee Creator

Application used to manage employees' information.

**Tech stack:** React, Typescript, Spring, MySQL and Tailwind.

### Pet Sitting Services

Full stack app that allows you to request or provide pet sitting services.

**Tech stack:** React, Express, Typescript, MySQL and Tailwind.

## KEY SKILLS

- React & Next.js
- Node.js & Express
- Java 8/Spring
- Nest.js
- SQL & MySQL
- Firestore
- Docker
- JavaScript
- Typescript
- Tailwind CSS
- CSS/SASS
- HTML
- e2e & unit testing

## EDUCATION

### Full Stack Engineer Program

\_nology - Nov 2023

### Leadership & Management Advanced Diploma

Pacific Training Group - April 2022

### Bachelors of Mechanical Engineering

Federal Center for Technological Education of Minas Gerais - June 2015

## REFERENCES

Ernest Thomas

Project Manager at The Lead Group

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Peter Roche

CEO at The Styling Project

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